

Table ENG-4. - Building Site Development

Westmoreland County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1A:							
Ackwater	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated	1.00	Depth to saturated	0.03
		Shrink-swell	1.00	zone		zone	
		Depth to saturated	0.03	Too clayey	0.28		
		zone		Cutbanks cave	0.10		
Emporia		Not Rated		Not Rated		Not Rated	
Montross		Not Rated		Not Rated		Not Rated	
Savannah		Not Rated		Not Rated		Not Rated	
1B:							
Ackwater	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated	1.00	Depth to saturated	0.03
		Shrink-swell	1.00	zone		zone	
		Depth to saturated	0.03	Too clayey	0.28		
		zone		Cutbanks cave	0.10		
Emporia		Not Rated		Not Rated		Not Rated	
Montross		Not Rated		Not Rated		Not Rated	
Savannah		Not Rated		Not Rated		Not Rated	
2:							
Bibb	50	Very limited		Very limited		Very limited	
		Depth to saturated	1.00	Depth to saturated	1.00	Flooding	1.00
		zone		zone		Depth to saturated	1.00
		Flooding	1.00	Flooding	0.80	zone	
				Cutbanks cave	0.10		
Levy	30	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Depth to saturated	1.00	Flooding	1.00	Flooding	1.00
		zone		Depth to saturated	1.00	Depth to saturated	1.00
		Flooding	1.00	zone		zone	
Bohicket		Not Rated		Not Rated		Not Rated	
Catpoint		Not Rated		Not Rated		Not Rated	
Rappahannock		Not Rated		Not Rated		Not Rated	

3:

Table ENG-4. - Building Site Development - Continued

Westmoreland County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
3:							
Bohicket	85	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Flooding	1.00	Flooding	1.00
		Flooding	1.00	Depth to saturated zone	1.00	Salinity	1.00
Rappahannock		Not Rated		Not Rated		Not Rated	
4:							
Bojac	80	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
				Depth to saturated zone	0.15		
Pamunkey		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
5B:							
Catpoint	85	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.88
				Depth to saturated zone	0.15		
Bojac		Not Rated		Not Rated		Not Rated	
Nansemond		Not Rated		Not Rated		Not Rated	
Rumford		Not Rated		Not Rated		Not Rated	
6B:							
Emporia	80	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to saturated zone	0.73		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Kempsville		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	
7A:							
Kempsville	75	Not limited		Somewhat limited		Not limited	
				Cutbanks cave	0.10		
Emporia		Not Rated		Not Rated		Not Rated	
Savannah		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	
7B:							

Table ENG-4. - Building Site Development - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
7B:							
Kempsville	70	Not limited		Somewhat limited Cutbanks cave 0.10		Not limited	
Emporia		Not Rated		Not Rated		Not Rated	
Savannah		Not Rated		Not Rated		Not Rated	
8:							
Leaf	85	Very limited Low strength Shrink-swell Depth to saturated zone 1.00 1.00 1.00		Very limited Depth to saturated zone Too clayey Cutbanks cave 1.00 0.28 0.10		Very limited Depth to saturated zone 1.00	
Lenoir		Not Rated		Not Rated		Not Rated	
Lumbee		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
9:							
Lenoir	80	Very limited Low strength Shrink-swell Depth to saturated zone 1.00 0.50 0.48		Very limited Depth to saturated zone Too clayey Cutbanks cave 1.00 0.28 0.10		Somewhat limited Depth to saturated zone 0.48	
Leaf		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
10:							
Lumbee	85	Very limited Depth to saturated zone Flooding Low strength 1.00 0.40 0.22		Very limited Depth to saturated zone Cutbanks cave 1.00		Very limited Depth to saturated zone 1.00	
Bibb		Not Rated		Not Rated		Not Rated	
Leaf		Not Rated		Not Rated		Not Rated	
Nansemond		Not Rated		Not Rated		Not Rated	
11A:							
Montross	90	Very limited Low strength Shrink-swell Depth to saturated zone 1.00 0.50 0.48		Very limited Depth to saturated zone Cutbanks cave 1.00 0.10		Somewhat limited Depth to saturated zone 0.48	

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
11A: Ackwater		Not Rated		Not Rated		Not Rated	
11B: Montross	85	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 0.50 0.48	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.48
Ackwater		Not Rated		Not Rated		Not Rated	
12: Nansemond	80	Somewhat limited Depth to saturated zone	0.19	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.19
Rumford		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
13: Pamunkey	90	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.15	Not limited	
Bojac		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
14: Pits	100	Not Rated		Not Rated		Not Rated	
15: Rappahannock	85	Very limited Ponding Depth to saturated zone Flooding	1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Content of organic matter	1.00 1.00 1.00	Very limited Ponding Flooding Content of organic matter	1.00 1.00 1.00
Bohicket		Not Rated		Not Rated		Not Rated	
Pamunkey		Not Rated		Not Rated		Not Rated	
16B:							

Table ENG-4. - Building Site Development - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
16B:							
Rumford	80	Not limited		Very limited Cutbanks cave 1.00		Not limited	
Nansemond		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
17E:							
Rumford	75	Very limited Slope 1.00		Very limited Slope Cutbanks cave 1.00		Very limited Slope 1.00	1.00
Ackwater		Not Rated		Not Rated		Not Rated	
Bibb		Not Rated		Not Rated		Not Rated	
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
18D:							
Rumford	45	Somewhat limited Slope 0.37		Very limited Cutbanks cave Slope 1.00 0.37		Somewhat limited Slope 0.37	0.37
Tetotum	30	Somewhat limited Slope Depth to saturated zone 0.37 0.19		Very limited Depth to saturated zone Slope Cutbanks cave 1.00 0.37 0.10		Somewhat limited Slope Depth to saturated zone 0.37 0.19	0.37 0.19
Ackwater		Not Rated		Not Rated		Not Rated	
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
19A:							
Savannah	85	Somewhat limited Depth to thin cemented pan Depth to saturated zone 1.00 0.03		Very limited Depth to thin cemented pan Depth to saturated zone Cutbanks cave 1.00 1.00 0.10		Very limited Depth to cemented pan Depth to saturated zone Droughty 1.00 0.02	1.00 0.03 0.02
Kempsville		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
19B:							
Savannah	85	Somewhat limited		Very limited		Very limited	
		Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00	Depth to cemented pan	1.00
		Depth to saturated zone	0.03	Depth to saturated zone	1.00	Depth to saturated zone	0.03
				Cutbanks cave	0.10	Droughty	0.02
Kempsville		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	
20A:							
State	90	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
				Depth to saturated zone	0.15		
Rumford		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
20B:							
State	90	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
				Depth to saturated zone	0.15		
Rumford		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
21A:							
Suffolk	80	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
Rumford		Not Rated		Not Rated		Not Rated	
Savannah		Not Rated		Not Rated		Not Rated	
21B:							
Suffolk	80	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
21B:							
Rumford		Not Rated		Not Rated		Not Rated	
Savannah		Not Rated		Not Rated		Not Rated	
22A:							
Tetotum	80	Somewhat limited Depth to saturated zone	0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.19
Lumbee		Not Rated		Not Rated		Not Rated	
Nansemond		Not Rated		Not Rated		Not Rated	
Rumford		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
22B:							
Tetotum	80	Somewhat limited Depth to saturated zone	0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.19
Nansemond		Not Rated		Not Rated		Not Rated	
Rumford		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
23A:							
Turbeville	85	Not limited		Somewhat limited Cutbanks cave		Not limited	
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
23B:							
Turbeville	85	Not limited		Somewhat limited Cutbanks cave		Not limited	
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
23C:							
Turbeville	85	Not limited		Somewhat limited Cutbanks cave		Not limited	

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
23C:							
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	